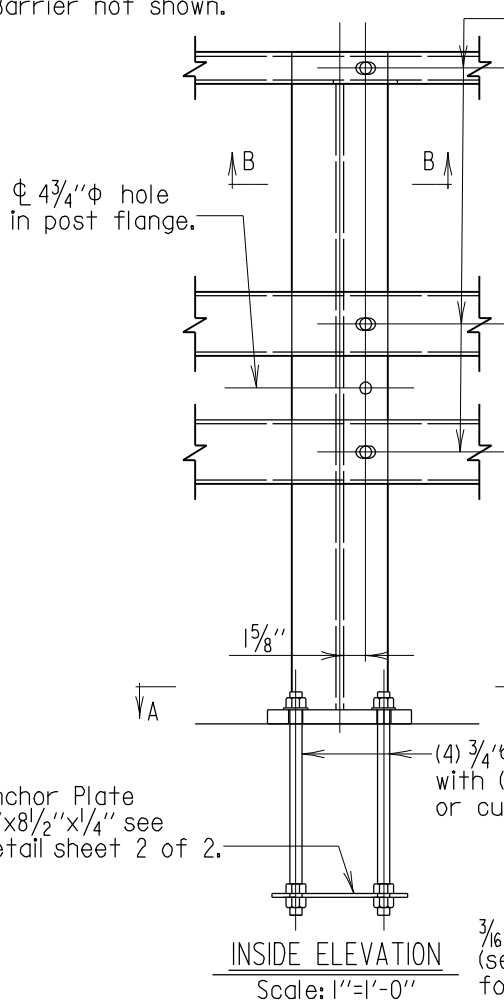


Note:
W Beam Traffic
Barrier not shown.



ϕ 3/4" x 1/4" Horiz. Slots
in Post Flange.
 ϕ 3/4" ϕ holes in Tubes.

4" hole
cut through web.

1 1/4" ϕ Double Extra
Strong Pipe Sleeve
x 2 1/8".

Structural Tubing
4" x 3" x 1/4"

Post W6x20

* See pertinent structure
sheets for dimensions
of pedestal.

Typ. $\frac{3}{8}$ "
All sides
and back.

(4) 3/4" ϕ Anchor Studs
with (3) 3/4"-10 thd. (rolled
or cut) Hex. Steel Nuts.

(2) 5/8" ϕ Anchor Studs
with (2) 5/8"-11 thd. (rolled
or cut) Hex. Steel Nuts.

3/16" Fiberglass
(see sheet 3 of 3
for details).

ϕ 5/8" ϕ Hex. Hd.
Bolt with Hex. Nuts
& washers (Typ.).

Structural
Tubing
2" x 2" x 1/4"

W Beam
Traffic
Barrier

Top of
Roadway

Concrete Pedestal
* Varies

SECTION
Scale: 1"=1'-0"

Notes:

1. Panel lengths of structural tubing members shall be attached continuously to a minimum of three posts except at abutments with expansion joints.
2. All steel components shall be galvanized, after fabrication, unless otherwise shown on Plans.
3. Structural tubing section shall meet ASTM A 572 Grade 50. All other steel except bolts shall meet ASTM A 36.
4. All anchor studs and nuts shall meet ASTM A 325.
5. Maximum post spacing 6'-3".
6. Posts shall be set vertical for level or low side roadway and perpendicular to high side superelevated roadway.

7. Fiberglass to be used only when indicated on pertinent structure sheets.

APPROVAL	
<i>E.S. Friedman</i>	DIRECTOR
OFFICE OF BRIDGE DEVEL.	
DATE: 4/23/90	
REVISIONS	
SHA	FHWA

FHWA APPROVAL
DATE:

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF BRIDGE DEVELOPMENT

COMBINATION W BEAM TRAFFIC BARRIER
WITH HANDRAIL FOR STRUCTURES

STANDARD NO. BC(6.10)-90-217

SHEET 1 OF 3

BOX CULVERT